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RAW SEQUENCE LISTING

DATE: 03/12/2003

PATENT APPLICATION: US/09/640,582A

TIME: 08:52:16

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5 <120> TITLE OF INVENTION: Sequences of an Ih ion channel and use thereof
7 <130> FILE REFERENCE: 205970
9 <140> CURRENT APPLICATION NUMBER: 09/640,582A
10 <141> CURRENT FILING DATE: 2000-08-17
12 <150> PRIOR APPLICATION NUMBER: PCT/EP99/00942
13 <151> PRIOR FILING DATE: 1999-02-12
15 <150> PRIOR APPLICATION NUMBER: DE 198 06 581.7
16 <151> PRIOR FILING DATE: 1998-02-17
18 <160> NUMBER OF SEQ ID NOS: 20
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DATE: 03/12/2003
TIME: 08:52:17

Input Set : A:\205970.seq listing.txt
Output Set: N:\CRF4\03122003\I640582A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 1308,1334
Seq#:6; N Pos. 1925,1969,1987,1988,2432,2435,2482,2518,2546,2562,2572,2756
Seq#:6; N Pos. 2784
Seq#:8; N Pos. 101
Seq#:10; N Pos. 1119,1120,1126,1412,1464,1684,2357,2760,2761
Seq#:11; N Pos. 4,536,564,621,650,653,661,664,667,668,675,682,689,690,698
Seq#:11; N Pos. 714,719,733,742,746,1290,1293,1306,1326,1340,1349,1358,1387
Seq#:11; N Pos. 1389,1405,1408,1409,1410,1451,1467,1983,2009
Seq#:16; N Pos. 15,24,27
Seq#:17; N Pos. 11,20,23

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:19,20

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